

Title (en)

COLOCALIZATION-BY-LINKAGE SANDWICH ASSAYS FOR MULTIPLEXING

Title (de)

SANDWICH-ASSAYS MIT KOLOKALISIERUNG DURCH VERKNÜPFUNG FÜR MULTIPLEXEN

Title (fr)

DOSAGES EN SANDWICH DE COLOCALISATION PAR LIAISON POUR LE MULTIPLEXAGE

Publication

EP 4038386 A1 20220810 (EN)

Application

EP 20873036 A 20201002

Priority

- US 201962909701 P 20191002
- IB 2020000813 W 20201002

Abstract (en)

[origin: WO2021064460A1] There are provided methods and systems for detecting and/or quantifying an analyte. In particular, there are provided methods and systems for simultaneous detection and/or quantitation of two or more analytes in a sample. Colocalization-by-linkage assays on microparticles (CLAMP) can be engineered and used to effectively multiplex the detection of analytes within a sample. Provided is a colocalization-by-linkage (CLA) structure for the detection or quantification of an analyte in a sample, the CLA structure comprising: a support; a capture agent attached to the support; a detection agent anchor polynucleotide attached to the support, wherein the anchor polynucleotide comprises an anchor sequence; and a detection agent linked to a hook polynucleotide and an anchor-binding sequence complementary to at least a portion of the anchor sequence, wherein the detection agent is releasably bound to the detection agent anchor polynucleotide.

IPC 8 full level

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CPC (source: EP IL US)

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Designated extension state (EPC)

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